

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-100476  
(43)Date of publication of application : 05.04.2002

---

(51)Int.Cl. H05B 33/14  
C07D403/14  
C07D471/04  
C09K 11/06  
H05B 33/22

---

(21)Application number : 2001-197135 (71)Applicant : FUJI PHOTO FILM CO LTD

(22)Date of filing : 28.06.2001 (72)Inventor : ISE TOSHIHIRO

IGARASHI TATSUYA  
MIYASHITA YOSUKE  
FUJIMURA HIDETOSHI  
MISHIMA MASAYUKI  
OKADA HISASHI  
KYU SETSUHO

---

(30)Priority

Priority number : 2000216339 Priority date : 17.07.2000 Priority country : JP

---

**(54) LIGHT-EMITTING ELEMENT AND AZOLE COMPOUND**

**(57)Abstract:**

**PROBLEM TO BE SOLVED:** To provide a light-emitting element, capable of emitting the light of a blue area with high light-emitting efficiency and a light-emitting element, capable of emitting a white light which has high color purity and with high light emitting efficiency.

**SOLUTION:** This light-emitting element has at least a light-emitting layer, including a light emitting material and a host material and in which lowest excited triplet energy level of the host material is higher than the lowest excited triplet energy level of the light emitting material. Desirably, the light emitting element is 1.05 times to 1.38 times the lowest excited triplet energy level of the light-emitting material, and the light-emitting element is 68 kcal/mol (284.9 kJ/mol) to 90 kcal/mol (377.1 kJ/mol) in the lowest excited triplet energy level of the host material.

---

**LEGAL STATUS**

[Date of request for examination] 15.05.2006

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]